

# COMPRESSED LEXICON AND METHOD AND APPARATUS FOR CREATING AND ACCESSING THE LEXICON

## ABSTRACT OF THE DISCLOSURE

5        A compressed lexicon is built by receiving a  
word list, which includes word-dependent data  
associated with each word in the word list. A word  
is selected from the word list. A hash value is  
generated based on the selected word, and the hash  
10    value identifies an address in a hash table which, in  
turn, is written with a location in lexicon memory  
that is to hold the compressed form of the selected  
word, and the compressed word-dependent data  
associated with the selected word. The word is then  
15    encoded, or compressed, as is its associated word-  
dependent data. This information is written at the  
identified location in the lexicon memory.